EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 295

DATE: NOVEMBER 1, 2016

PROJECT RP0268

The following classification changes will be effected by this Notice of Changes:

Action	Subclass	Group(s)
Symbols deleted:	H01J	2237/31715
	H01J	2237/31716
	H01J	2237/31718
	H01J	2237/3172
	H01J	2237/31722
	H01J	2237/31723
	H01J	2237/31725
	H01J	2237/31727
	H01J	2237/31728
	H01J	2237/3173
Definitions deleted:	H01J	2237/31715
	H01J	2237/3175
Scheme Warning Notice to be deleted:	H01J	2237/31715
	H01J	2237/3175

No other subclasses/groups are impacted by this Notice of Changes.

This Notice of Changes includes the following *[Check the ones included]*:

1.   CLASSIFICATION SCHEME CHANGES
⊠   A. New, Modified or Deleted Group(s)

⊠   B. New, Modified or Deleted Warning Notice(s)

☐   C. New, Modified or Deleted Note(s)

☐   D. New, Modified or Deleted Guidance Heading(s)

2.   DEFINITIONS (New or Modified)
☐   A. DEFINITIONS (Full definition template)

⊠   B. DEFINITIONS (Definitions Quick Fix)

3.   ⊠   REVISION CONCORDANCE LIST (RCL)

4.   ⊠   CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

5.   ☐   CROSS-REFERENCE LIST (CRL)

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1.   CLASSIFICATION SCHEME CHANGES

   A.   New, Modified or Deleted Group(s)

SUBCLASS H01J - ELECTRIC DISCHARGE TUBES OR DISCHARGE LAMPS

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
D	H01J2237/31715	3	*Particle-beam lithography, e.g. electron beam lithography*	\<administrative transfer to H01J2237/3175\>
D	H01J2237/31716	4	*Production of exposure radiation, e.g. types of radiation, radiation sources*	\<administrative transfer to H01J2237/3175\>
D	H01J2237/31718	4	*Illumination systems for mask or workpiece*	\<administrative transfer to H01J2237/3175\>
D	H01J2237/3172	4	*Systems for imaging mask onto workpiece*	\<administrative transfer to H01J2237/3175\>
D	H01J2237/31722	4	*Imaging systems for maskless apparatus, e.g. direct writing with a scanning beam*	\<administrative transfer to H01J2237/3175\>
D	H01J2237/31723	4	*Imaging strategies, e.g. overlapping exposures, stitching*	\<administrative transfer to H01J2237/3175\>
D	H01J2237/31725	4	*Testing and control, e.g. beam control, testing of apparatus components*	\<administrative transfer to H01J2237/3175\>
D	H01J2237/31727	4	*Handling mask or workpiece*	\<administrative transfer to H01J2237/3175\>
D	H01J2237/31728	4	*Alignment of the mask or the workpiece*	\<administrative transfer to H01J2237/3175\>
D	H01J2237/3173	4	*Constructional details of particle beam apparatus not otherwise provided for, e.g. arrangement, mounting, housing, environment; Special provisions for cleaning or maintenance of the apparatus*	\<administrative transfer to H01J2237/3175\>

*N = new entries where reclassification into entries is involved; C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; E= existing entries with enlarged file scope, which receive documents from C or D entries, e.g. when a limiting reference is removed from the entry title; M = entries with no change to the file scope (no reclassification); D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed; U = entries that are unchanged.

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NOTES:
- **No {curly brackets} are used for titles in CPC only <u>subclasses</u>, e.g. C12Y, A23Y; 2000 series symbol titles of groups found at the end of schemes (orthogonal codes); or the Y section titles. The {curly brackets} <u>are</u> used for 2000 series symbol titles found interspersed throughout the main trunk schemes (breakdown codes).
- For U groups, the minimum requirement is to include the U group located immediately prior to the N group or N group array, in order to show the N group hierarchy and improve the readability and understanding of the scheme. Always include the symbol, indent level and title of the U group in the table above.
- All entry types should be included in the scheme changes table above for better understanding of the overall scheme change picture. Symbol, indent level, and title are required for all types except "D" which requires only a symbol.
- #"Transferred to" column <u>must</u> be completed for all C, D, F, and Q type entries. F groups will be deleted once reclassification is completed.
- When multiple symbols are included in the "Transferred to" column, avoid using ranges of symbols in order to be as precise as possible.
- For administrative transfer of documents, the following text should be used: "< administrative transfer to XX>" or "<administrative transfer to XX and YY simultaneously>" when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be "invention information", unless otherwise indicated, and to 2000 series groups is assumed to be "additional information".

B. New, Modified or Deleted Warning notice(s)

SUBCLASS H01J - ELECTRIC DISCHARGE TUBES OR DISCHARGE LAMPS

Type*	Location	Old Warning notice	New/Modified Warning notice
D	H01J2237/31715	This group and subgroups thereof are not complete, see provisionally H01J2237/3175 and subgroups	
D	H01J2237/3175	As from January 1st, 2009 this group and its subgroups are no longer used for classification of new documents. The backlock is continuously reclassified to H01J2237/31715 and subgroups.	

*N = new warning, M = modified warning, D = deleted warning

NOTE: The "Location" column only requires the symbol PRIOR to the location of the warning. No further directions such as "before" or "after" are required.

2. B. DEFINITIONS QUICK FIX

Symbol	Location of change (e.g., section title)	Existing reference symbol or text	Action; New symbol; New text
H01J2237/31715			Delete the entire definition.
H01J2237/3175			Delete the entire definition.

NOTES:
- The table above is used for corrections or modifications to existing definitions, e.g. delete an entire definition or part thereof; propose new wording or modify wording of a section, change the symbol the definition is associated with, change or delete a reference symbol, etc.
- Do not delete (F) symbol definitions.

3.	REVISION CONCORDANCE LIST (RCL)

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	H01J2237/31715	<administrative transfer to H01J2237/3175>
D	H01J2237/31716	<administrative transfer to H01J2237/3175>
D	H01J2237/31718	<administrative transfer to H01J2237/3175>
D	H01J2237/3172	<administrative transfer to H01J2237/3175>
D	H01J2237/31722	<administrative transfer to H01J2237/3175>
D	H01J2237/31723	<administrative transfer to H01J2237/3175>
D	H01J2237/31725	<administrative transfer to H01J2237/3175>
D	H01J2237/31727	<administrative transfer to H01J2237/3175>
D	H01J2237/31728	<administrative transfer to H01J2237/3175>
D	H01J2237/3173	<administrative transfer to H01J2237/3175>

* C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; D = deleted entries.

NOTES:
- Only C, D, and Q type entries are included in the table above.
- When multiple symbols are included in the "To" column, avoid using ranges of symbols in order to be as precise as possible.
- For administrative transfer of documents, the following text should be used: "< administrative transfer to XX>" or "<administrative transfer to XX and YY simultaneously>" when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be "invention information", unless otherwise indicated, and to 2000 series groups is assumed to be "additional information".

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4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

CPC	IPC	Action*
H01J2237/31715		Delete
H01J2237/31716		Delete
H01J2237/31718		Delete
H01J2237/3172		Delete
H01J2237/31722		Delete
H01J2237/31723		Delete
H01J2237/31725		Delete
H01J2237/31727		Delete
H01J2237/31728		Delete
H01J2237/3173		Delete

*Action column:
- For an (N) or (Q) entry, provide an IPC symbol and complete the Action column with "NEW."
- For an existing CPC main trunk entry or indexing entry where the existing IPC symbol needs to be changed, provide an updated IPC symbol and complete the Action column with "UPDATED."
- For a (D) CPC entry or indexing entry complete the Action column with "DELETE." IPC symbol does not need to be included in the IPC column.
- For an (N) 2000 series CPC entry which is positioned within the main trunk scheme (breakdown code) provide an IPC symbol and complete the action column with "NEW".
- For an (N) 2000 series CPC entry positioned at the end of the CPC scheme (orthogonal code), with no IPC equivalent, complete the IPC column with "CPCONLY" and complete the action column with "NEW".

NOTES:
- F symbols are not included in the CICL table above.
- E and M symbols are not included in the CICL table above unless a change to the existing IPC is desired.